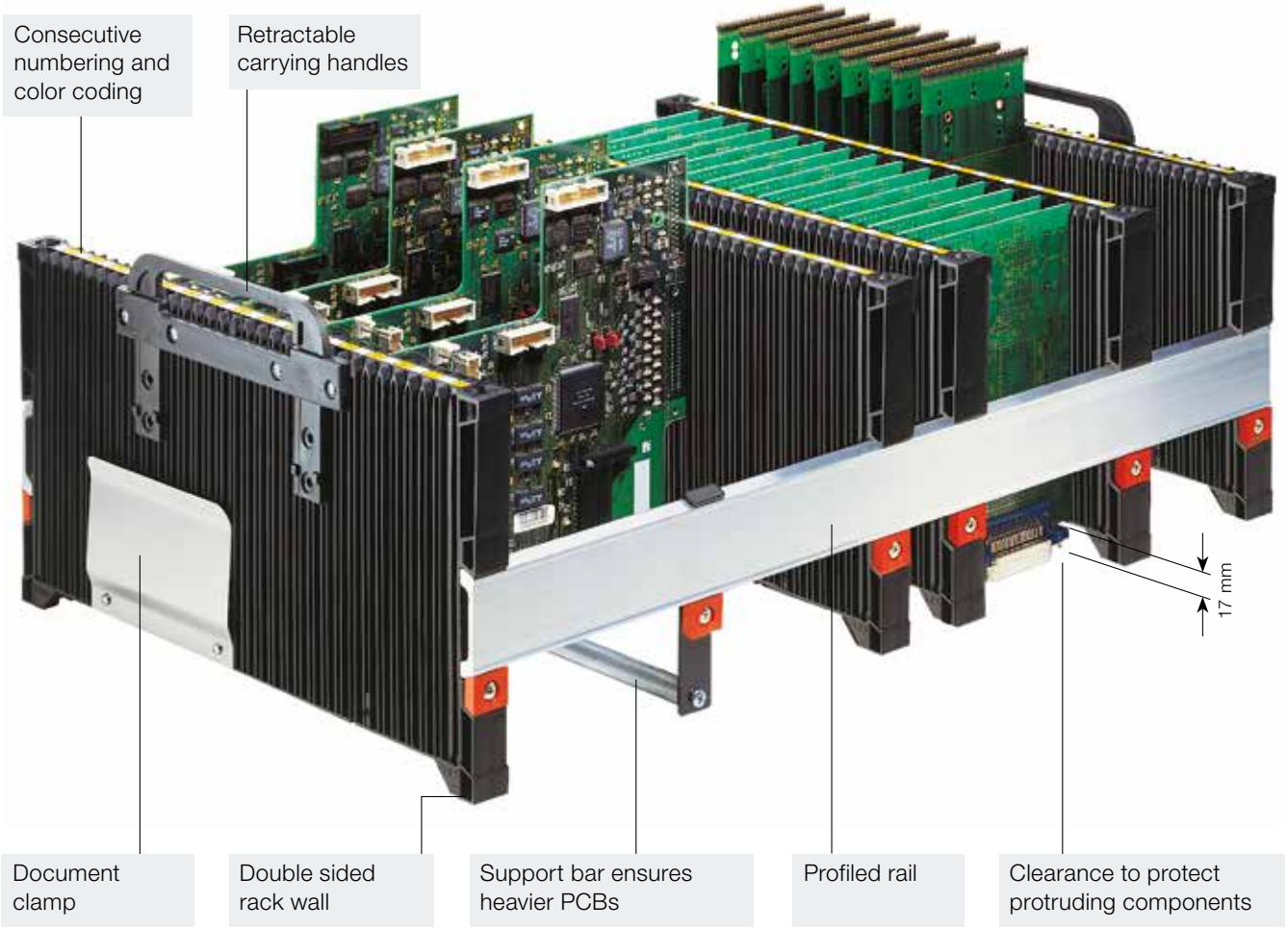
There is a system behind it

The cab PCB magazines can be filled when standing vertical or laying horizontal. The system is totally adjustable for width and can be assembled according to your individual requirements. For different size PCBs we offer PCB magazines with a height of 100, 180 and 300 mm.

All magazines have 32 slots, each with a 10 mm clearance between them, thereby providing maximum use of available space.

Secure
The precision molded slots are funnel shaped at each end to simplify the insertion of each circuit board.
The location of each mounting slot is shown by yellow and white positioning strips. These enable boards to be loaded while avoiding the risk of being loaded by hand in the wrong position.



PCB Magazines Series 100 / 180 / 300

Fast and easy assembly
The magazine walls can be secured to the profiled rails in any position required. Two identically sized circuit boards are inserted between the walls, into the adjustment slots at the extreme ends of each wall. The second wall is then pressed firmly onto the boards and screwed tight.

Rigid and stable
The magazine walls are constructed in sandwich form, and are therefore particularly rigid. For heavy mechanical and thermical force the magazine walls can additionally be reinforced by the use of a steel rod.

Slot lock
To prevent damage to the PCB board during insertion, we offer slot locks which cover slots not in use.

Stackable
At the corners of each magazine are male and female connectors which allow the racks to be stacked upon another. The lower edge of each magazine-side has a molded recess which allows the magazine to be gripped and lifted without problem.

Vertical mounting
Before soldering, the circuit board must be stored horizontally. The magazine can therefore stand vertically.

Transport containers
For transport purposes, the PCB magazines can be loaded into containers. These containers have norm sizes of 600 x 400 mm and 400 x 300 mm. Retractable handles enable the magazines to be removed with ease.

PCB Magazines Series 100 / 180 / 300

with 32 slots

Flexing of the magazine walls under loading
When the PCB Magazine is correctly assembled, each side wall may flex less than 1,0 mm, to ensure a secure mounting of the PCB. The measurements were using 16 circuit boards, with a clearance of 20 mm between each other, and a weight per board of 500 g. Upon request, a copy of the test report is available.

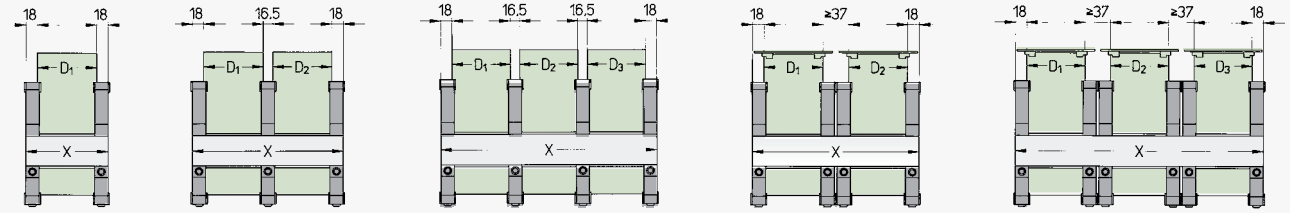
Critical loading can occur as follows:

1. When the magazine is laid on its side on a flat surface, and then lifted.
2. When being transported in the vertical position, and the position is changed to the horizontal.

Technical Data				100	180	300
Material				Polypropylene		
Color				black		
Surface resistance				as per DIN EN 61340-5-1 $< 10^9$		
Dimensions						
Slot width mm				2.8	4.0	3.5
Slot depth mm				2.0	2.5	2.5
Amount				32	32	32
Distance of PCBs mm				10	10	10
Flexing with a total load of 8 kg						
Temperature	23°C	not	reinforced	1.0	0.8	0.4
Temperature	23°C	with	reinforced	0.5	0.4	-
Temperature	70°C	not	reinforced	-	-	0.8
Temperature	70°C	with	reinforced	0.9	0.7	-

The length of profiled rail (Dimension X) is calculated based upon the dimensions as shown below.

Dimension D = PCB Width
Dimension X = Length of Profiled Rail



x = 36 + D1 | **x = 52 + D1 + D2** | **x = 69 + D1 + D2 + D3** | **x ≥ 73 + D1 + D2** | **x ≥ 110 + D1 + D2 + D3**

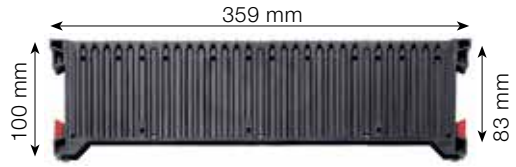
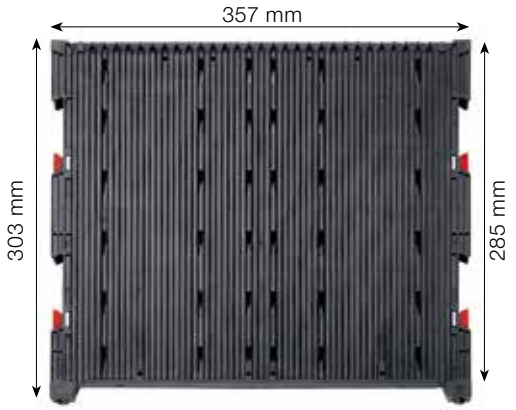
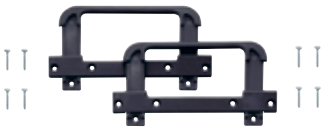
Delivery program

Part No.	Description
8910063	PCB Magazine Testset 100
e.g. for 100 mm wide PCBs Contents: 4 Side Walls 100 2 Profiled Rails 369 mm long 1 Document Clamp Weight: 1.4 kg	

Part No.	Description
8910064	PCB Magazine Testset 180
e.g. for 100 mm wide PCBs. Contents: 4 Side Walls 180 2 Profiled Rails 369 mm long 1 Document Clamp 1 Set Carrying Handles Weight: 2.5 kg	

Part No.	Description
8910065	PCB Magazine Testset 300
e.g. for 233.4 mm wide PCBs. Contents: 2 Side Walls 300 4 Profiled Rails 269 mm long 1 Document Clamp 1 Set Carrying Handles Weight: 2.0 kg	

Delivery program

	Part No.	Description	Weight
	**8910050** **8910102** **8913913**	Rack Wall 100 Rack Wall 100 reinforced Stegwand 100 with drilling for Slot Lock	0.28 kg 0.40 kg 0.28 kg
	**8910060** **8910104**	Rack Wall 180* Rack Wall 180* reinforced *incl. Drilling for Slot Lock	0.53 kg 0.65 kg
	**8912049** **8913914**	Rack Wall 300 Rack Wall 300 with drilling for Slot Lock	0.7 kg 0.7 kg
 The profiled rails are supplied according to your requirements, xxxx is the length in mm.		**Length in mm**	
	8910136 **8910252** **8910547** **8911000** **8912000** **891xxxx**	Profiled Rail 0136 Profiled Rail 0252 Profiled Rail 0547 Profiled Rail 1000 Profiled Rail 2000 Profiled Rail xxxx	0.06 kg 0.11 kg 0.24 kg 0.45 kg 0.90 kg
	**8910009**	Document Clamp	
	**8912004** **8912005** **8912006**	Support Bar 100 Support Bar 180 Support Bar 300	
 Packaging unit: 1 Set	**8912007** **8910097**	Carrying Handle 100 Carrying Handle 180/300	
 pictures increased Packaging unit: respectively 100 Sets	**8913916** **8913917**	Slot Lock 1 Slot Lock 2	

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- cab offices
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  in over 80 countries

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